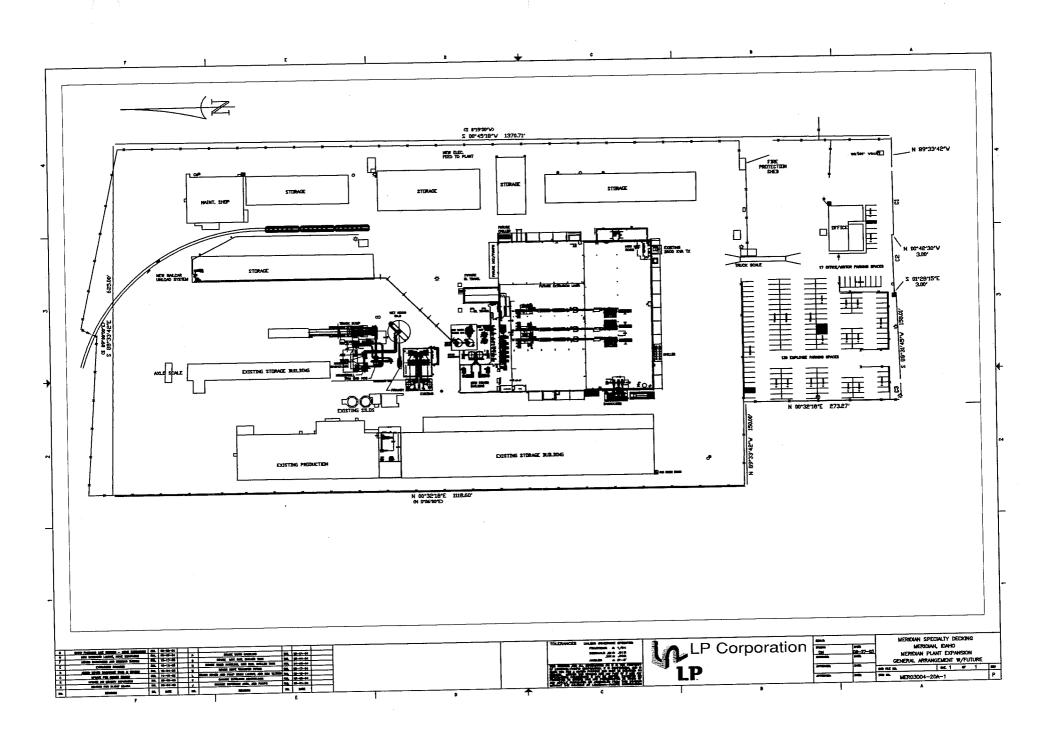
#### APPENDIX C

FACILITY PLOT PLAN



PERMIT TO CONSTRUCT FORMS



## PERMIT TO CONSTRUCT APPLICATION

Revision 3 04/03/07

		THE PART OF THE PA	<b>3</b>							
	COMPANY NAME, FACILITY NAME, AND FACILITY ID NUMBER  Company Name Fiber Composites, LLC									
			0115							
2. Facility N	lame	Meridian Facility 3. Facility ID No. 001-0								
Brief Project Description - Fugitive Dust Control and Molder Line Expansion     Sentence or less										
		PERMIT APPLICATION TYPE								
		New Source at Existing Facility Unpermitted Existing Sou	ırce							
		Source: Permit No.: Date Issued: procement Action: Case No.:								
6. Mino		Major PTC								
6. 🖂 WIIIO	IFIC	FORMS INCLUDED								
Included	N/A	Forms	DEQ Verify							
Included	18/7		verny							
$\boxtimes$		Form GI – Facility Information								
$\boxtimes$		Form EU0 – Emissions Units General								
		Form EU1 - Industrial Engine Information Please Specify number of forms attached:								
		Form EU2 - Nonmetallic Mineral Processing Plants Please Specify number of forms attached:								
		Form EU3 - Spray Paint Booth Information Please Specify number of forms attached:								
		Form EU4 - Cooling Tower Information Please Specify number of forms attached:								
		Form EU5 – Boiler Information Please Specify number of forms attached:								
		Form HMAP – Hot Mix Asphalt Plant Please Specify number of forms attached:								
		Form CBP - Concrete Batch Plant Please Specify number of forms attached:								
$\boxtimes$		Form BCE - Baghouses Control Equipment								
		Form SCE - Scrubbers Control Equipment								
$\boxtimes$		Forms EI-CP1 - EI-CP4 - Emissions Inventory- criteria pollutants (Excel workbook, all 4 worksheets)								
$\boxtimes$	PP – Plot Plan									
$\boxtimes$		Forms MI1 – MI4 – Modeling (Excel workbook, all 4 worksheets)								
		Form FRA – Federal Regulation Applicability								

DEQ USE ONLY
Date Received
Project Number
·
Payment / Fees Included?
Yes 🗌 No 🗌
Check Number
Cueck Multiper
i



Revision 3 03/26/07

Please see instructions on page 2 before filling out the form.

All information is required. If information is missing, the application will not be processed.

	An mornadon to require a										
		IDENTIFICATION									
1.	Company Name	Fiber Composites, LLC									
2.	Facility Name (if different than #1)	Meridian Facility									
3.	Facility I.D. No.	001-00115									
4.	Brief Project Description:										
		FACILITY INFORMATION									
5.	Owned/operated by: (√ if applicable)	Federal government County government  State government City government									
6.	Primary Facility Permit Contact Person/Title	Bryan Kellar Plant Engineer, Environmental Manager									
7.	Telephone Number and Email Address	(208) 888-6798 x108 bryank@fibercomposites.com									
8.	Alternate Facility Contact Person/Title	N/A									
9.	Telephone Number and Email Address	N/A									
10.	Address to which permit should be sent	20 West Franklin Road									
11.	City/State/Zip	Meridian, Idaho 83642									
12.	Equipment Location Address (if different than #10)	N/A									
13.	City/State/Zip	N/A									
14.	Is the Equipment Portable?	Yes No									
15.	SIC Code(s) and NAISC Code	Primary SIC: 2499 Secondary SIC (if any): 3089 NAICS: 321999, 326199									
16.	Brief Business Description and Principal Product	Manufacture of Extruded Decking Products									
17.	ldentify any adjacent or contiguous facility that this company owns and/or operates	N/A									
		PERMIT APPLICATION TYPE									
18	. Specify Reason for Application	New Facility       ☑ New Source at Existing Facility       ☐ Unpermitted Existing Source         Modify Existing Source:       Permit No.:       Date Issued:         ☐ Permit Revision       ☐ Required by Enforcement Action:       Case No.:									
		CERTIFICATION									
	N ACCORDANCE WITH IDAPA 58.01.01.123 ( AFTER REASONABLE INQUIRY	RULES FOR THE CONTROL OF AIR POLLUTION IN IDAHO), I CERTIFY BASED ON INFORMATION AND BELIEF FORMED , THE STATEMENTS AND INFORMATION IN THE DOCUMENT ARE TRUE, ACCURATE, AND COMPLETE.									
19	. Responsible Official's Name/Title	Ken Ropski Plant Manager									
20	. RESPONSIBLE OFFICIAL SIGNAT	URE / 20/07									
21	. X Check here to indicate you woul	d like to review a draft permit prior to final issuance.									

## PERMIT TO CONSTRUCT APPLICATION

Please see instructions on page	2 before f	illing out the	form.							
			DENTIFICATI	ON						
Company Name:		Facility N	ame:		Facility					
Fiber Composites, LLC		Meridian	Facility		001-001	115				
Brief Project Description:		Fugitive [	Oust Control a	ınd Molder Lir	e Expansion					
EMIS	SIONS U	NIT (PROC	ESS) IDENTI	FICATION &	DESCRIPTION					
Emissions Unit (EU) Name:	TRUCK	DUMP FUGITI	VE DUST							
2. EU ID Number:	BHTD									
3. EU Type:	w Source									
4. Manufacturer:	TBD									
5. Model:	TBD									
6. Maximum Capacity:	10,000 /	ACFM								
7. Date of Construction:	TBD									
8. Date of Modification (if any)	N/A									
9. Is this a Controlled Emission Unit?	☐ No				If No, go to line 18.					
		EMISSIONS CONTROL EQUIPMENT								
10. Control Equipment Name and ID:		Truck Dump Fugitive Dust Baghouse (C25)								
11. Date of Installation:	.,	TBD	12. Date of Mod	lification (if any):	N/A					
13. Manufacturer and Model Number:		TBD								
14. ID(s) of Emission Unit Controlled:		BHTD								
15. Is operating schedule different than units(s) involved?	emission									
16. Does the manufacturer guarantee the efficiency of the control equipment?	e control	ol ☐ Yes   ☑ No (If Yes, attach and label manufacturer guarantee)								
efficiency of the control equipment?		Pollutant Controlled								
	PM	PM10	SO <sub>2</sub>	NOx	voc	CO				
Control Efficiency 0	.01gr/dscf	0.01 gr/dscf	N/A	N/A	N/A	N/A				
17. If manufacturer's data is not availab to support the above mentioned control	le, attach a s efficiency.	separate sheet TBD	of paper to prov	ide the control ed	uipment design spe	ecifications and performance data				
EMISSIO	N UNIT O	PERATING	SCHEDULE	(hours/day,	hours/year, or	other)				
18. Actual Operation	8,760 HR/									
19. Maximum Operation	8,760 HR/	YEAR								
		RE	EQUESTED L	IMITS						
20. Are you requesting any permit lim	its? ☐	Yes 🔯 I	No (If Yes, che	ck all that apply I	pelow)					
☐ Operation Hour Limit(s):	N/A									
☐ Production Limit(s):	N/A	\								
☐ Material Usage Limit(s):	N/A									
☐ Limits Based on Stack Testing	Ple	ase attach all r	elevant stack tes	sting summary re	ports					
☐ Other:	N/A	\								
21. Rationale for Requesting the Limi	t(s): N/A	N/A								

# PERMIT TO CONSTRUCT APPLICATION

Please see instructions on page	e 2 before	tilling out the	rorm.						
		11	DENTIFICATI	ON					
Company Name:		Facility N	ame:		Facility	i			
Fiber Composites, LLC		Meridian	Facility		001-00	115			
Brief Project Description:	<u></u>	Fugitive [	Oust Control a	and Molder Lir	ne Expansion				
,	ISSIONS L	JNIT (PROC	ESS) IDENTI	FICATION &	DESCRIPTION				
1. Emissions Unit (EU) Name:	REGRII								
2. EU ID Number:	E45A								
3. EU Type:	☐ New ☑ Mod	New Source							
4. Manufacturer:	TBD								
5. Model:	TBD								
6. Maximum Capacity:	4,200 A	CFM							
7. Date of Construction:	N/A								
8. Date of Modification (if any)	TBD								
9. Is this a Controlled Emission Unit?	?   No				If No, go to line 18.				
		EMISSION	S CONTROL	EQUIPMEN	T				
10. Control Equipment Name and ID:		Regrind Baghouse (C26)							
11. Date of Installation:		N/A	12. Date of Mod	lification (if any):	TBD				
13. Manufacturer and Model Number:		TBD							
14. ID(s) of Emission Unit Controlled:		E45A							
15. Is operating schedule different that units(s) involved?	n emission	☐ Yes 🗵	] No						
16. Does the manufacturer guarantee	the control	ol ☐ Yes ☑ No (If Yes, attach and label manufacturer guarantee)							
efficiency of the control equipment?		Pollutant Controlled							
	PM	PM10	SO₂	NOx	voc	CO			
Control Efficiency	0.01 gr/dscf	0.01 gr/dscf	N/A	N/A	N/A	N/A			
17. If manufacturer's data is not availa to support the above mentioned control	ıble, attach a ol efficiency.	separate sheet TBD	of paper to provi	ide the control ed	quipment design sp	ecifications and performance data			
1			SCHEDULE	(hours/day,	hours/year, or	other)			
18. Actual Operation	8,760 HR								
19. Maximum Operation	8,760 HR	YEAR							
		RE	QUESTED L	IMITS					
20. Are you requesting any permit li	mits?	Yes 🔯 l	No (If Yes, che	ck all that apply I	pelow)				
☐ Operation Hour Limit(s):	N/A	4				to the second se			
☐ Production Limit(s):	N//	Α							
☐ Material Usage Limit(s):	N//								
☐ Limits Based on Stack Testir	ng Ple	ease attach all re	elevant stack tes	ting summary re	ports				
Other:	N/A	Α							
21. Rationale for Requesting the Lin	nit(s): N/	Α							



Revision 3 03/27/07

Please see instructions on pag	ge 2 belore	ming out the	: IOIIII.		·				
		1	DENTIFICATI	ON					
Company Name:		Facility N	ame:		Facility	1			
Fiber Composites, LLC		Meridian			001-00	115			
Brief Project Description:		Fugitive I	Oust Control a	ınd Molder Lir	ne Expansion				
EN	IISSIONS L	JNIT (PROC	ESS) IDENTI	FICATION &	DESCRIPTION	en al al anticologica de la compania			
1. Emissions Unit (EU) Name:	FINISH	NG LINE #5							
2. EU ID Number:	внмв1								
3. EU Type:	⊠ New □ Mod	lew Source							
4. Manufacturer:	TBD								
5. Model:	TBD								
6. Maximum Capacity:	6,000 A	CFM							
7. Date of Construction:	TBD								
8. Date of Modification (if any)	N/A								
9. Is this a Controlled Emission Uni	t? ☐ No				If No, go to line 18.				
		EMISSIONS CONTROL EQUIPMENT							
10. Control Equipment Name and ID:		Finishing Line Baghouse #5 (C27)							
11. Date of Installation:		TBD	12. Date of Mod	ification (if any):	N/A				
13. Manufacturer and Model Number		TBD							
14. ID(s) of Emission Unit Controlled		ВНМВ1							
15. Is operating schedule different the units(s) involved?	an emission	☐ Yes 🗵	] No						
16. Does the manufacturer guarantee efficiency of the control equipment?	e the control	☐ Yes ☑ No (If Yes, attach and label manufacturer guarantee)							
eniciency of the control equipment:		Pollutant Controlled							
	PM	PM10	SO <sub>2</sub>	NOx	voc	СО			
Control Efficiency	0.01 gr/dscf	0.01 gr/dscf	N/A	N/A	N/A	N/A			
17. If manufacturer's data is not avail to support the above mentioned cont	lable, attach a	separate sheet TBD	of paper to provi	de the control ec	uipment design spe	ecifications and performance data			
1		PERATING	SCHEDULE	(hours/day,	hours/year, or	other)			
18. Actual Operation	8,760 HF								
19. Maximum Operation	8,760 HF	/YEAR							
	<u> </u>	R	EQUESTED L	IMITS					
20. Are you requesting any permit	limits?	Yes ⊠ I	No (If Yes, che	ck all that apply b	pelow)				
☐ Operation Hour Limit(s):	N/A	<del>7</del> .							
☐ Production Limit(s):	N/A	4							
☐ Material Usage Limit(s):	N/A			N=- 101					
☐ Limits Based on Stack Test	ting Ple	ease attach all r	elevant stack tes	ting summary re	ports				
☐ Other:	N/	Α							
21. Rationale for Requesting the L	.imit(s): N/	N/A							



Plea	ise see instructions on page	e 2 befoi	re filling out the	e form.							
				DENTIFICAT	ION						
Cor	npany Name:		Facility N	lame:		Facility II	i i				
	er Composites, LLC		Meridian	Facility		001-001	15				
Brie	f Project Description:		Fugitive I	Dust Control a	and Molder Lir	ne Expansion					
	EMI	ISSIONS	UNIT (PROC	ESS) IDENTI	FICATION &	DESCRIPTION					
1.	Emissions Unit (EU) Name:		SHING LINE #6								
2.	EU ID Number:	BHFI	FL1								
3.	EU Type:	⊠ N □ M	New Source Unpermitted Existing Source Modification to a Permitted Source Previous Permit #:N/A Date Issued: N/A								
4.	Manufacturer:	TBD									
5.	Model:	TBD									
6.	Maximum Capacity:	6,04	B ACFM								
7.	Date of Construction:	TBD									
8.	Date of Modification (if any)	N/A									
9.	ls this a Controlled Emission Unit?	?   🗆 N				If No, go to line 18.					
			EMISSIONS CONTROL EQUIPMENT								
10. 0	Control Equipment Name and ID:		Finishing Line Baghouse #6 (C28)								
11. [	Date of Installation:		TBD	12. Date of Mod	lification (if any):	N/A					
13. !	Manufacturer and Model Number:		TBD								
	D(s) of Emission Unit Controlled:		TBD								
15. I	s operating schedule different than s(s) involved?	n emission	' ☐ Yes 🗵	] No							
16. I	Does the manufacturer guarantee iency of the control equipment?	the contro	DI ☐ Yes ☑ No (If Yes, attach and label manufacturer guarantee)								
emc	lency of the control equipment?		Pollutant Controlled								
		РМ	PM10	SO <sub>2</sub>	NOx	voc	co				
	Control Efficiency	0.01 gr/ds	of 0.01 gr/dscf	N/A	N/A	N/A	N/A				
17.	If manufacturer's data is not availa upport the above mentioned contro	ible, attach	n a separate sheet y. TBD	of paper to prov	ide the control ed	quipment design spec	cifications and performance data				
	EMISSIC	TINU NC	OPERATING	SCHEDULE	(hours/day,	hours/year, or o	other)				
18.	Actual Operation		HR/YEAR								
19.	Maximum Operation	8,760	HR/YEAR								
			RI	EQUESTED I	IMITS						
20.	Are you requesting any permit li	mits?	☐ Yes	No (If Yes, che	ck all that apply l	below)					
	Operation Hour Limit(s):		N/A								
	☐ Production Limit(s):		N/A								
			N/A				. Line and the second s				
	Limits Based on Stack Testin	ng	Please attach all relevant stack testing summary reports								
	☐ Other:		N/A								
21.	Rationale for Requesting the Lir	nit(s):	N/A				·				

# PERMIT TO CONSTRUCT APPLICATION

Please see instructions on page 2	before t	illing out the	torm.						
		II.	DENTIFICATI	ON					
Company Name:		Facility N	ame:		Facility				
Fiber Composites, LLC		Meridian	Facility		001-00	115			
Brief Project Description:		Fugitive I	Dust Control a	nd Molder Lin	e Expansion				
EMIS	SIONS U	NIT (PROC	ESS) IDENTI	FICATION &	DESCRIPTION				
1. Emissions Unit (EU) Name:	ENTEK	OUST COLLEC	CTOR						
2. EU ID Number:	WFVAC								
3. EU Type:	⊠ New ☐ Modif	New Source ☐ Unpermitted Existing Source Modification to a Permitted Source Previous Permit #:N/A Date Issued: N/A							
4. Manufacturer:	TBD								
5. Model:	TBD								
6. Maximum Capacity:	3,000 AG	CFM							
7. Date of Construction:	TBD								
8. Date of Modification (if any)	N/A								
9. Is this a Controlled Emission Unit?	□ No				If No, go to line 18.				
				EQUIPMENT					
10. Control Equipment Name and ID:		Molder Baghouse (C29)  TBD 12. Date of Modification (if any): N/A							
11. Date of Installation:		TBD		ification (if any):	N/A				
13. Manufacturer and Model Number:			neering DC49x8						
14. ID(s) of Emission Unit Controlled:		WFVAC							
15. Is operating schedule different than e units(s) involved?		☐ Yes 🗵	No						
16. Does the manufacturer guarantee the efficiency of the control equipment?	control	□ Yes ☑ No (If Yes, attach and label manufacturer guarantee)							
endericy of the control equipment,		Pollutant Controlled							
	PM	PM10	SO <sub>2</sub>	NOx	VOC	СО			
Control Efficiency 0.0	1 gr/dscf	0.01 gr/dscf	N/A	N/A	N/A	N/A			
17. If manufacturer's data is not available to support the above mentioned control e	e, attach a s efficiency.	separate sheet TBD	of paper to provi	de the control eq	uipment design sp	ecifications and performance data			
EMISSION	UNIT O	PERATING	SCHEDULE	(hours/day, l	nours/year, or	other)			
18. Actual Operation	8,760 HR/								
19. Maximum Operation	8,760 HR/	YEAR							
		RI	EQUESTED L	IMITS					
20. Are you requesting any permit limit			No (If Yes, che	ck all that apply b	oelow)				
☐ Operation Hour Limit(s):	N/A								
☐ Production Limit(s):	N/A	·							
☐ Material Usage Limit(s):		N/A							
☐ Limits Based on Stack Testing	Plea	ase attach all r	elevant stack tes	ting summary rep	oorts				
☐ Other:	N/A								
21. Rationale for Requesting the Limit	(s): N/A	N/A							



Revision 3 03/27/07

Pie	ase see msuucuons on pay	e z belui	e ming out the	3 101111.								
				DENTIFICAT	ION							
Со	mpany Name:		Facility N	lame:		Facility	ID No:					
	er Composites, LLC		Meridian	Facility		001-00	115					
Brie	of Project Description:		Fugitive	Dust Control a	and Molder Lir	ne Expansion						
	EMI	ISSIONS	UNIT (PROC	ESS) IDENT	FICATION &	DESCRIPTION						
1.	Emissions Unit (EU) Name:	WET	WOOD SILO									
2.	EU ID Number:	B∨W	WS				Allega . Leaning					
3.	EU Type:	⊠ N∈ □ M∈	ew Source odification to a Pe	] Unpermitted Exermitted Source -	isting Source - Previous Permi	t #:N/A Date Iss	ued: N/A					
4.	Manufacturer:	TBD		~								
5.	Model:	TBD		- 121								
6.	Maximum Capacity:	2,660	ACFM									
7.	Date of Construction:	TBD										
8.	Date of Modification (if any)	N/A										
9.	Is this a Controlled Emission Unit?	?   No				If No, go to line 18.						
	and the second s	Ships .	EMISSION	EMISSIONS CONTROL EQUIPMENT								
10.	Control Equipment Name and ID:		Wet Wood Silo Bin Vent (C30)									
11.	Date of Installation:		TBD	l	lification (if any):	N/A						
13.	Manufacturer and Model Number:		MAC 98RT-S	TY3								
	D(s) of Emission Unit Controlled:		BVWWS									
	s operating schedule different thar s(s) involved?	n emission	☐ Yes 🗵	₫ No								
16.	Does the manufacturer guarantee to iency of the control equipment?	the control	☐ Yes ☑ No (If Yes, attach and label manufacturer guarantee)									
Fillo	iency of the control equipment?		Pollutant Controlled									
		РМ	PM10	SO <sub>2</sub>	NOx	voc	СО					
	Control Efficiency	0.01 gr/dsc	f 0.01 gr/dscf	N/A	N/A	N/A	N/A					
17. to s	f manufacturer's data is not availal upport the above mentioned contro	ble, attach ol efficiency	a separate sheet . TBD	of paper to prov	de the control eq	uipment design spe	ecifications and performance data					
	EMISSIC	ON UNIT	OPERATING	SCHEDULE	(hours/day, l	nours/year, or	other)					
18.	Actual Operation	8,760 H	R/YEAR									
19.	Maximum Operation	8,760 H	R/YEAR									
			RE	QUESTED L	.IMITS							
20.	Are you requesting any permit lir	mits? [	] Yes	No (If Yes, che	ck all that apply b	elow)						
	☐ Operation Hour Limit(s):	N	I/A									
	☐ Production Limit(s):	N	I/A									
	☐ Material Usage Limit(s):	N	WA .									
	☐ Limits Based on Stack Testin	ig F	Please attach all relevant stack testing summary reports									
	☐ Other:	N	N/A									
21.	Rationale for Requesting the Lim	nit(s):	I/A									



Revision 3 04/02/07

				IDENTIF	ICATION					
Company Name: Fiber C	composites,	LLC		Facility Name: M	Fa ID	Facility ID No.:				
Brief Project Descriptio	n:									
IDENT	IFICATION			В	AGHOUSE		BAG	S		
1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.
Emission Unit	EU ID No.	CE ID No.	Stack ID No.	Baghouse Manufacturer	Baghouse Model No.	Туре	Туре	Size (Dia x Ht)	No. of Bags	Air to Cloth
Truck Dump Fugitive Dust	BHTD	C25	BHTD	TBD	TBD	Pulse Jet	TBD	TBD	TBD	TBD
Regrind Baghouse	E45A	C26	E45A	TBD	TBD	Pulse Jet	Polyester	TBD	TBD	TBD
Finishing Line Baghouse #5	BHMB 1	C27	BHMB 1	Dantherm Filtration	MJB-84/XL/8-11	Pulse Jet	Polyester needle felt	TBD	88 3C	TBD
Finishing Line Baghouse #6	BHFL1	C28	BHFL 1	TBD	TBD	Pulse Jet	Polyester	TBD	TBD	TBD
Entek Dust Collector Baghouse	WFVA C	C29	WFVA C	Adaptive Engineering	DC49x8	Pulse Jet	PE Egg Shell	0.45 dia	49	6.13
Wet Wood Silo Bin Vent	BVWW S	C30	BVW WS	MAC	96RT39-STY3	Pulse Jet	Polyester	0.45x6.0	39	1.38
				***						



1410 N. Hilton, Boise, ID 83706

For assistance, call the

Air Permit Hotline - 1-877-5PERMIT

## PERMIT TO CONSTRUCT APPLICATION Revision 3

4/5/2007

Please see instructions on page 2 before filling out the form.

Company Name: Fiber Composites, LLC Meridian Facility Facility Name: 001-00115 Facility ID No.:

Brief Project Description: Fugitive Dust Control and Molder Line Expansion

Brief Project Description:	Pugliive Dusi C	MARY OF FA	ACILITY WI	DE EMISSIC	N PATES E	OR CRITER	RIA POLILII	ANTS - PO	NT SOURC	ES		186.6	
1.	2.	WART OF FA	-CILIT WI	DE LIVIIOOIC	JN IVALLO I	ON ORIGINAL PROPERTY OF THE PR	3			*			
	<u> </u>	PM <sub>10</sub>		\$O <sub>2</sub>		NO <sub>X</sub>		CO		VOC		Lea	
Emissions units	Stack ID	lb/hr	T/yr	lb/hr	T/yr	lb/hr_	T <i>i</i> yr	lb/hr	T/yr	ib/hr	T/yr	lb/hr	T/yr
					Point So						NIZA	NI/A	N/A
Noltec Dryer	BH2	0.04	0.18	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
Noltec Storage Silo Baghouse	C1A	0.01	0.06	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Donaldson Baghouse	СЗ	0.28	1.22	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
HDPE Silo Bin Vent #1	C7	0.03	0.15	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Line #10 Molder Baghouse	C12	0.26	1,13	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Line #11 Molder Baghouse	C13	0.27	1.19	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Entek Dryer #1 Baghouse	C15	0.40	1.73	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Entek Dryer #2 Baghouse	C16	0.40	1.73	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
10 RA Baghouse	C17	0.87	3.80	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
8 RA Baghouse	C18	0.39	1.73	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Line #12 Molder Baghouse	C21	0.25	1.10	N/A	N/A		N/A		N/A	N/A	N/A	N/A	N/A
Big Mac Baghouse	C22	0.48	2.09	N/A	N/A	N/A	N/A		N/A	N/A	N/A	N/A	N/A
Dry Wood Day Bin Filter #1	C23	0.02	0.09	N/A	N/A		N/A		N/A	N/A	N/A		N/A
Dry Wood Day Bin Filter #2	C24	0.02	0.09	N/A					N/A	N/A	N/A		N/A
Truck Dump Fugitive Dust	BHTD	0.79	3.46	N/A	N/A	<u> </u>			N/A	N/A	N/A		N/A
Regrind Baghouse	E45A	0.33	1.45	N/A	N/A				N/A		N/A		N/A
Finishing Line Baghouse #5	внмв1	0.49	2.14	N/A	N/A	N/A	N/A		N/A		N/A	<del></del>	N/A
Finishing Line Baghouse #6	BHFL1	0.49	2.15	N/A	N/A	<u> </u>	N/A		N/A		N/A		N/A
Entek Dust Collector Baghouse	WFVAC	0.24	1.07	N/A	N/A		ļ				N/A		N/A
Wet Wood Silo Bin Vent	BVWWS	0.21	0.92	N/A	N/A	. N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
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Total		6.27	27.48										

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	DEQ AIR QUALIT	Y PROGRAM		PERMIT TO CONSTRUCT APPLICATION Revision 2 4/5/2007									
	1410 N. Hilton, Bo	ise, ID 83706											
	For assistance, ca	ll the											4/5/2007
No.	Air Permit Hotlin	e - 1-877-5PEF	RMIT										
			Pi	ease see instru	uctions on page	e 2 before filling	g out the form.						
Company Name	: Fiber Composites	LLC											
Facility Name						Ме	ridian Facility						
Facility ID No	<u>,                                     </u>					(	001-00115						
Brief Project Description	Eugitivo Dust Con	trol and Molde	r l ine Evnansio	\n			-						
Brief Project Description	CLIMAN	A DV OF EA	CILITY MID	E EMISSIO	N RATES FO	D CDITEDI	A POLLUTA	MTS - FUG	TIVE SOUR	RCES		100	6470 90
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			VI <sub>10</sub>		$O_2$	NO		C		VC			
Fugitive Source Name	Fugitive ID	lb/hr	T/yr	lb/hr	T/yr	lb/hr	T/yr	lb/hr	T/yr	lb/hr	T/yr	lb/hr	T/yr
					Fugitive S	ource(s)							1.7.7.5
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1410 N. Hilton, Boise, ID 83706

For assistance, call the Air Permit Hotline - 1-877-5PERMIT PERMIT TO CONSTRUCT APPLICATION Revision 3

4/5/2007

Please see instructions on page 2 before filling out the form.

Company Name:	Fiber Composites, LLC	
Facility Name:		Meridian Facility
Facility ID No.:		001-00115

Funitive Dust Control and Molder Line Expansion

Brief Project Description:	Fugitive Dust Cont	ugitive Dust Control and Molder Line Expansion SUMMARY OF EMISSIONS INCREASE (PROPOSED PTE - PREVIOUSLY MODELED PTE) - POINT SOURCES											
		Y OF EMISS	IONS INCR	EASE (PRO	POSED PT	E - PREVIOL			POINT SO	UKCES		<u></u>	<u>ة أعليها أنه دو</u>
1.	2.	PM		sc	<u>.                                      </u>	NC	3 5 I	Co	) ]	VO	C I	Lea	ıd
Emissions units	Stack ID	lb/hr	T/yr	lb/hr	T/vr	Ib/hr	T/vr	lb/hr	T/yr	lb/hr	T/yr	lb/hr	T/yr
		IMIII	11,91	IBITIT	Point Sou		- 12						
Noltec Dryer	BH2			N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Noltec Storage Silo Baghouse	C1A			N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Donaldson Baghouse	C3	0.02	0.08	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
HDPE Silo Bin Vent #1	C7			N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Line #10 Molder Baghouse	C12			N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Line #11 Molder Baghouse	C13			N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Entek Dryer #1 Baghouse	C15			N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Entek Dryer #2 Baghouse	C16			N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
10 RA Baghouse	C17			N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
8 RA Baghouse	C18			N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Line #12 Molder Baghouse	C21			N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Big Mac Baghouse	C22			N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Dry Wood Day Bin Filter #1	C23			N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Dry Wood Day Bin Filter #2	C24			N/A	N/A	N/A	N/A	N/A	N/A		N/A	N/A	N/A
Truck Dump Fugitive Dust	BHTD	0.79	3.46	N/A	N/A	N/A	N/A	N/A	N/A		N/A	N/A	N/A
Regrind Baghouse	E45A	0.33	1.45	N/A	N/A	N/A	N/A	N/A	N/A		N/A	N/A	N/A
Finishing Line Baghouse #5	BHMB1	0.49	2.14	N/A	N/A	N/A	N/A	N/A	N/A				N/A
Finishing Line Baghouse #6	BHFL1	0.49	2.15	N/A	N/A	N/A	N/A	N/A	N/A				N//
Entek Dust Collector Baghouse	WFVAC	0.24	1.07	N/A	N/A	N/A	N/A		N/A				N//
Wet Wood Silo Bin Vent	BVWWS	0.21	0.92	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
(insert more rows as needed)													
Total		2.57	11.27										l

1410 N. Hilton, Boise, ID 83706 For assistance, call the

#### PERMIT TO CONSTRUCT APPLICATION

Revision 3 4/5/2007

	Air Permit Hotline	- 1-877-5PER	MIT										4/0/2007
		4.0	Ple	ease see instru	ctions on page	2 before filling	out the form.						
	Fiber Composites,	ПС											
Facility Name:							ridian Facility						
Facility ID No.:							001-00115						
Brief Project Description:	Fugitive Dust Cont	rol and Molder	Line Expansio	n		DDE (IOU	N. MODEL	ED DTEV E	HOITIVE C	OURCES			
in Annual Commence	SUMMARY	OF EMISSIC	ONS INCRE	ASE (PROP	OSEDPIE	- PREVIOUS	SEA MODEL	ED PIE) - P	OGITIVE S	JUKCES			
1.	2.				Air Pollut	ant Maximu	3 m Change i	in Emission	s Rate (lbs/	hr or t/yr)			
		PM	110										
Fugitive Source Name	Fugitive ID	lb/hr	T/yr	lb/hr	T/yr	lb/hr	T/yr	lb/hr	T/yr	lb/hr	Т/уг	lb/hr	T/yr
					Fugitive S	ource(s)							
N/A													
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Total								<u> </u>			<u> </u>		<u></u>

### Modeling Information - Impact Analysis Form MI1



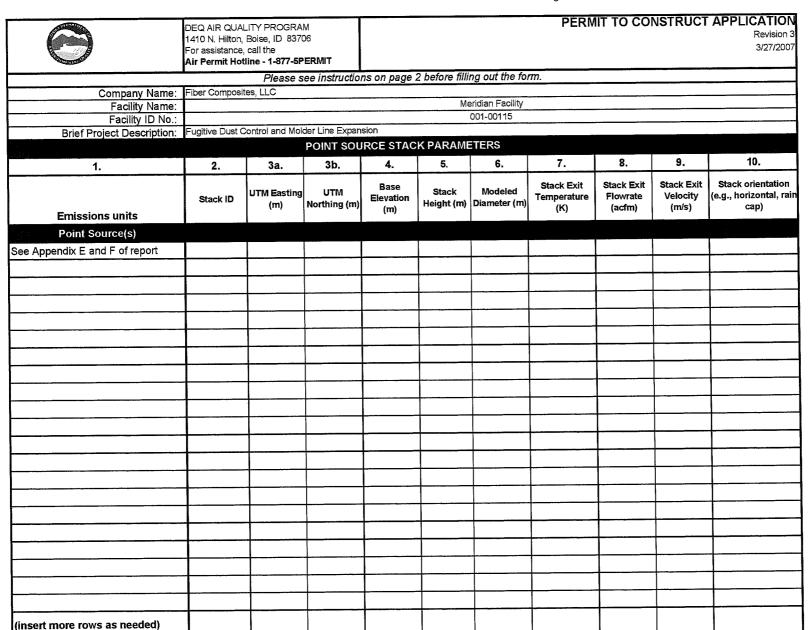
DEQ AIR QUALITY PROGRAM 1410 N. Hilton, Boise, ID 83706 For assistance, call the

PERMIT TO CONSTRUCT APPLICATION
Revision 3
4/5/2007

Air Permit Hotline - 1-877-5PERMIT

	Please see instructions on page 2 before filling out the form.									
Company Name:	Fiber Composites, LLC									
Facility Name:	Meridian Facility									
Facility ID No.:	001-00115									
Brief Project Description:	Fugitive Dust Control and Molder Line Expansion									

Brief Project Description:	Fugitive Dust	Control and Mole	der Line Expansio	on				
	SUN	IMARY OF AIR	IMPACT ANAL	YSIS RESULT	S - CRITERIA PO	DLLUTANTS		
		1.		2.	3.	4.		5.
Criteria Pollutants	Averaging Period	Significant Impact Analysis Results (µg/m3)	Significant Contribution Level (µg/m3)	Full Impact Analysis Results (µg/m3)	Background Concentration (µg/m3)	Total Ambient Impact (µg/m3)	NAAQS (µg/m3)	Percent of NAAQS
	24-hour	N/A	5	59.1	90.0	149.1	150	99%
PM <sub>10</sub>	Annual	N/A	1	23.5	25.1	48.6	90	97%
	3-hr	N/A	25	N/A	N/A	N/A	1300	N/A
SO <sub>2</sub>	24-hr	N/A	5	N/A	N/A	N/A	365	N/A
2	Annual	N/A	1	N/A	N/A	N/A	80	N/A
NO <sub>2</sub>	Annual	N/A	1	N/A	N/A	N/A	100	N/A
	1-hr	N/A	2000	N/A	N/A	N/A	10000	N/A
co	8-hr	N/A	500	N/A	N/A	N/A	40000	N/A



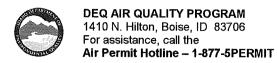
	DEQ AIR QUAL 1410 N. Hilton, For assistance, <b>Air Permit Hot</b>	Boise, ID 8370 call the	06				PERM	IIT TO CO	NSTRUCT	APPLICATION Revision 3 3/27/2007
		Please s	ee instructio	ns on page :	2 before filli	ng out the fo	rm.			
Company Name:	Fiber Composit	es, LLC								
Facility Name:					Me	eridian Facility				
Facility ID No.:						001-00115				
Brief Project Description:	Fugitive Dust C	control and Mole	der Line Expan	sion						
			POINT SOU	IRCE STAC	K PARAME	TERS				
1.	2.	3a.	3b.	4.	5.	6.	7.	8.	9.	10.
Emissions units	Stack ID	UTM Easting (m)	UTM Northing (m)	Base Elevation (m)	Stack Height (m)	Modeled Diameter (m)	Stack Exit Temperature (K)	Stack Exit Flowrate (acfm)	Stack Exit Velocity (m/s)	Stack orientation (e.g., horizontal, rain cap)
Point Source(s)										



PERMIT TO CONSTRUCT APPLICATION

	1410 N. Hilton, For assistance,	Boise, ID 83706 call the line - 1-877-5PE								Revision 3 4/5/2007
		Please	see instruction	ns on page 2 b	oefore filling o	out the form.				
Company Name:	Fiber Composit	es, LLC								
Facility Name:						an Facility				
Facility ID No.:					001	-00115				
Brief Project Description:	Fugitive Dust C	ontrol and Molde	r Line Expansion							
			FUGITIVE	SOURCE PA	ARAMETERS	3				
1.	2.	3a.	3b.	4.	5.	6.	7.	8.	9.	10.
Emissions units	Stack ID	UTM Easting (m)	UTM Northing (m)	Base Elevation (m)	Release Height (m)	Easterly Length (m)	Northerly Length (m)	Angle from North (°)	Initial Vertical Dimension (m)	Initial Horizontal Dimension (m)
Area Source(s)										
N/A										
		<u> </u>								
Volume Source(s)										
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OTHER DESIGNATION OF THE PERSON  DEQ AIR QU	IAI ITV DDA	CDAM			PERMIT TO CONSTRUCT APPLICATION	
		on, Boise, ID				Revision 3
	For assistan		00,00			4/5/2007
	Air Permit H		7-5PERMIT			
		Please s	ee instruction	s on page 2 i	before filling out th	e form.
Company Name:	Fiber Compo					
Facility Name:					Meridian Facil	ity
Facility ID No.:					001-00115	
Brief Project Description:	Fugitive Dus	t Control and	Molder Line Ex	pansion		
		ВІ	JILDING AND	STRUCTU	RE INFORMATION	<b>V</b>
1,	2.	3.	4.	5.	6.	7.
			Base	Building		
Building ID Number	Length (ft)	Width (ft)	Elevation (m)	Height (m)	Number of Tiers	Description/Comments
See files in Appendix F of the repo	<u></u> t.					
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Revision 3 03/26/07

	DENTIFICATIO	N		
Company Name:	Facility Name:	,		Facility ID No:
Fiber Composites, LLC	Meridian Facilit	ty		001-00115
Brief Project Description: Fugitive Dust Control				
APPLIC	ABILITY DETE	RMINATION	rang British Madelmannan Tagapan basar	aya bigi di bigi bigi bada karanasa aray digi Kabara
1. Will this project be subject to 1990 CAA Section 112(g)?		⊠ NO	☐ YES	*
(Case-by-Case MACT)		* If YES, applica case MACT dete	nt must submit an applica ermination  [IAC 567 22-1	ation for a case-by- (3)"b" (8)]
Will this project be subject to a New Source Performance Stand     (40 CFR part 60)	dard?	⊠ NO	☐ YES	*
(40 Ci ii pait 00)		*If YES, please i	dentify sub-part:	
3. Will this project be subject to a MACT ( <u>M</u> aximum <u>A</u> chievable <u>C</u> regulation? (40 CFR part 63) THIS ONLY APPLIES IF THE PROJECT EMITS A HAZARDOUS AIR POLLUT		⊠ NO *If YES, please i	☐ YES dentify sub-part:	*
4. Will this project be subject to a NESHAP (National Emission St.	andards for	⊠ NO	☐ YES	*
<u>H</u> azardous <u>A</u> ir <u>P</u> ollutants) regulation? (40 CFR part 61)		*If YES, please is	dentify sub-part:	
5. Will this project be subject to PSD (Prevention of Significant De (40 CFR section 52.21)	terioration)?	⊠ NO	☐ YES	
6. Was netting done for this project to avoid PSD?		⊠ NO	☐ YES	*
		*If YES, please a	ttach netting calculations	
IF YOU ARE UNSURE HOW TO ANSWER ANY 1	OF THESE QUES -877-5PERMIT		THE AIR PERMIT H	OTLINE AT

FIBER COMPOSITES MERIDIAN SOURCE PARAMETERS
NEARBY SOURCE (PLUM CREEK) POINT SOURCE PARAMETERS
NEARBY SOURCE (PLUM CREEK) VOLUME SOURCE PARAMETERS
FIBER COMPOSITES MERIDIAN EMISSION RATE PARAMETERS

TABLE E-1. FIBER COMPOSITES MERIDIAN SOURCE PARAMETERS

Emission Point ID	<b>Description</b> <sup>a</sup>	Orientation	Emission Rate (lb/hr)	Stack Height (ft)	Temperature <sup>b</sup> (° F)	Flow (acfm)	Diameter (in)
		Currently	Permitted Emission	Points	, ,		
BH2	Noltec Dryer	Vertical	0.041	30	250	2,583	11.52
C1A	Noltec Storage Silo Baghouse	Vertical	0.014	18	Ambient	675	6.00
C3	Donaldson Baghouse	Vertical	0.279	40	Ambient	13,000°	22.00
C7	HDPE Silo Bin Vent #1	Vertical	0.034	54	Ambient	1,600	7.00
C12	Line #10 Molder Baghouse	Vertical	0.257	37.83	Ambient	6,320	20.00
C13	Line #11 Molder Baghouse	Vertical	0.271	39.75	Ambient	6,653	20.00
C15	Entek Dryer #1 Baghouse	Vertical	0.396	50	200	12,500	32.00
C16	Entek Dryer #2 Baghouse	Vertical	0.396	50	200	12,500	32.00
C17	10 RA Baghouse	Vertical	0.867	37	Ambient	22,000	30.00
C18	8 RA Baghouse	Vertical	0.394	36.83	Ambient	10,000	30.00
C21	Line #12 Molder Baghouse	Vertical	0.251	37.83	Ambient	6,153	20.00
C22	Big Mac Baghouse	Vertical	0.478	40	Ambient	11,156	28.00
C23	Dry Wood Day Bin Filter #1	Vertical	0.020	16	Ambient	915	7.00
C24	Dry Wood Day Bin Filter #2	Vertical	0.020	16	Ambient	915	7.00
		Propo	sed New Emission P	oints		_	
BHTD	Truck Dump Fugitive Dust	Vertical	0.789	40	Ambient	10,000	30.00
E45A	Regrind Baghouse	Vertical	0.331	45	Ambient	4,200	14.66 <sup>d</sup>

TABLE E-1. FIBER COMPOSITES MERIDIAN SOURCE PARAMETERS (CONT.)

Emission Point ID	Description <sup>a</sup>	Orientation	Emission Rate (lb/hr)	Stack Height (ft)	Temperature <sup>b</sup> (° F)	Flow (acfm)	Diameter (in)
		Propos	sed New Emission Po	oints			
BHMB1	Finishing Line Baghouse #5	Vertical	0.489	40	Ambient	6,000	20.00 e
BHFL1	Finishing Line Baghouse #6	Vertical	0.492	39.75	Ambient	6,048	20.00
WFVAC	Entek Dust Collector Baghouse	Vertical	0.244	40	Ambient	3,000	16.00
BVWWS	Wet Wood Silo Bin Vent	Vertical	0.210	40	Ambient	2,660	16.00

<sup>&</sup>lt;sup>a</sup> Descriptions for existing permitted sources have been updated from descriptions in Fiber Composites Meridian's Tier II operating permit (#001-00115).

<sup>&</sup>lt;sup>b</sup> Existing permitted sources with ambient temperatures were originally modeled at constant 68 °F in the August 2005 Fiber Composites Meridian Permit to Construct (PTC) application.

<sup>&</sup>lt;sup>c</sup> The C3 Donaldson baghouse flow rate increased from 12,143 acfm (in the August 2005 Fiber Composites Meridian PTC application) to 13,000 acfm.

<sup>&</sup>lt;sup>d</sup> The E45A regrind baghouse stack area is 12.5 in x 13.5 in (i.e., the equivalent diameter is 14.66 in).

<sup>&</sup>lt;sup>e</sup> According to Dantherm Filtration, the duct associated with Finishing Line Baghouse #5 has a diameter of 16 in; however, the modeling analysis uses a 20 in diameter for conservatism.

TABLE E-2. NEARBY SOURCE (PLUM CREEK) POINT SOURCE PARAMETERS

Emission Point ID	<b>Description</b> <sup>a</sup>	Orientation	Emission Rate (lb/hr)	Stack Height (ft)	Temperature (° F)	Flow (acfm)	Diameter (in)
SRC1	Cyclone #1	Horizontal	2.88	86	70	28,000	38.2
SRC2	Cyclone #2	Horizontal	2.88	86	70	28,000	38.2
SRC3	Baghouse	Vertical	1.38	53	70	20,000	187
SRC4	Cyclone #4	Vertical	2.06	25	70	30,000	132

<sup>&</sup>lt;sup>a</sup> Source parameters obtained from Plum Creek Meridian Facility Permit to Construct and Tier II Permit Modification Application submitted in April, 2006.

TABLE E-3. NEARBY SOURCE (PLUM CREEK) VOLUME SOURCE PARAMETERS

Emission Point ID	Description <sup>a</sup>	Emission Rate (lb/hr)	Release Height (ft)	Internal Lat. Dimension (ft)	Internal Vert. Dimension (ft)
EGTRUCK	Edge Glue Truck Bin	0.0025	11.5	4.65	20.81

<sup>&</sup>lt;sup>a</sup> Source parameters obtained from Plum Creek Meridian Facility Permit to Construct and Tier II Permit Modification Application submitted in April, 2006.

TABLE E-4. FIBER COMPOSITES MERIDIAN EMISSION RATE PARAMETERS

Emission Point ID	Description <sup>a</sup>	Flowrate (acfm)	Temperature <sup>b</sup>	Moisture Content (%)	Grain Loading <sup>c</sup> (gr/dscf)	Emission Rate (lb/hr)	Emission Rate (tpy)
BH2	Noltec Dryer	2,583	250	0	0.0025	0.041	0.181
	Noltec Storage Silo						
C1A_	Baghouse	675	Ambient	0	0.0025	0.014	0.063
СЗ	Donaldson Baghouse	13,000 <sup>d</sup>	Ambient	0	0.0025	0.279	1.220
C7	HDPE Silo Bin Vent #1	1,600	Ambient	0	0.0025	0.034	0.150
C12	Line #10 Molder Baghouse	6,320	Ambient	5	0.005	0.257	1.127
C13	Line #11 Molder Baghouse	6,653	Ambient	5	0.005	0.271	1.186
C15	Entek Dryer #1 Baghouse	12,500	200	8	0.005	0.396	1.734
C16	Entek Dryer #2 Baghouse	12,500	200	8	0.005	0.396	1.734
C17	10 RA Baghouse	22,000	Ambient	8	0.005	0.867	3.799
C18	8 RA Baghouse	10,000	Ambient	8	0.005	0.394	1.727
C21	Line #12 Molder Baghouse	6,153	Ambient	5	0.005	0.251	1.097
C22	Big Mac Baghouse	11,156	Ambient	0	0.005	0.478	2.094
C23	Dry Wood Day Bin Filter #1	915	Ambient	0	0.0025	0.020	0.086
C24	Dry Wood Day Bin Filter #2	915	Ambient	0	0.0025	0.020	0.086
BHTD	Truck Dump Fugitive Dust	10,000	Ambient	8	0.01	0.789	3.454
E45A	Regrind Baghouse	4,200	Ambient	8	0.01	0.331	1.451
BHMB1	Finishing Line Baghouse #5	6,000	Ambient	5	0.01	0.489	2.140
BHFL1	Finishing Line Baghouse #6	6,048	Ambient	5	0.01	0.492	2.157
WFVAC	Entek Dust Collector Baghouse	3,000	Ambient	5	0.01	0.244	1.070
BVWWS	Wet Wood Silo Bin Vent	2,660	Ambient	8	0.01	0.210	0.919

<sup>&</sup>lt;sup>a</sup> Descriptions for existing permitted sources have been updated from descriptions in Fiber Composites Meridian's Tier II operating permit (#001-00115).

<sup>&</sup>lt;sup>b</sup> Existing permitted sources with ambient temperatures were originally modeled at constant 68 °F in the August 2005 Fiber Composites Meridian Permit to Construct (PTC) application.

<sup>&</sup>lt;sup>c</sup> Standard temperature assumed to be 70 °F.

<sup>&</sup>lt;sup>d</sup> The C3 Donaldson baghouse flow rate increased from 12,143 acfm (in the August 2005 Fiber Composites Meridian PTC application) to 13,000 acfm.

MODELING INPUT AND OUTPUT FILES (CD-ROM)